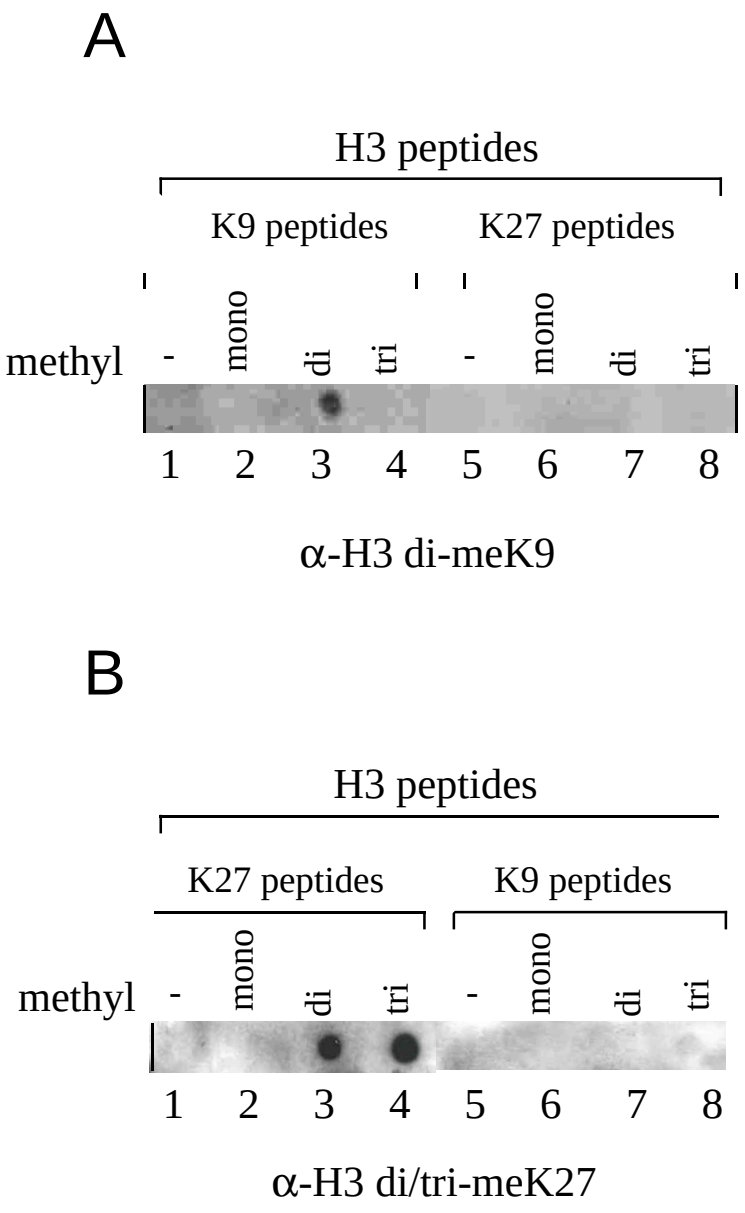
Supplementary Figure S1



Legend toFigure S1:

Polyclonal antibody against H3 di-methyl K9 (Upstate 07-212) and monoclonal antibody against H3 tri-methyl K27 were analysed on dot blots using the peptides and their specific modification state as indicated above the panels.

For dot blots, one microliter of 0.5 mM peptide solution was loaded on nitrocellulose membrane and dried completely. Blocking was in 3% milk in TTBS (10mM Tris, 200mM NaCl and 0.05% Tween 20 , pH 7.9). After washing, incubation in primary antibody at 1:1000 dilution (or as directed by the manufacturer) was performed for 2 hours at RT. Following washes in TTBS, dot blots were incubated in 1:5000 dilution of secondary antibody conjugated to HRP for 40 min. Following three washes of 10 minutes each, the dot blots were develop using Enhanced Chemiluminescence (ECL). Membranes were covered with saran wrap and expose to film for different times, ranging from 2 seconds to 1 min.